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# DIAGNOSTIC MARKERS OF ACUTE CORONARY SYNDROMES AND METHODS OF USE THEREOF

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#### **Abstract:**

The present invention relates to methods for the diagnosis and evaluation of acute coronary syndromes. In particular, patient test samples are analyzed for the presence and amount of members of a panel of markers comprising one or more specific markers for myocardial injury and one or more non-specific markers for myocardial injury. A variety of markers are disclosed for assembling a panel of markers for such diagnosis and evaluation. In various aspects, the invention provides methods for the early detection and differentiation of stable angina, unstable angina, and myocardial infarction. Invention methods provide rapid, sensitive and specific assays that can greatly increase the number of patients that can receive beneficial treatment and therapy, reduce the costs associated with incorrect diagnosis, and provide important information about the prognosis of the patient.

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#### **Patents Cited:**

- → US6117644 (Y) [0]
- → US6028055 (Y) [0]

#### **Non-Patent Citations:**

- TATEISHI ET AL.: 'Transient increase in plasma brain (B-type) natriuretic peptide after percutaneous transluminal coronary angioplasty' CLINICAL CARDIOLOGY vol. 23, no. 10, 2000, pages 776 - 780, XP002956450
- DATABASE MEDLINE ÄOnlineÜ ASANO ET AL.: 'Complementary DNA cloning, tissue distribution and synthesis of canine brain natriuretic peptide',

- XP002956157 Database accession no. 1999335795 & AMERICAN JOURNAL OF VETERINARY RESEARCH vol. 60, no. 7, July 1999, pages 860 864
- DATABASE EMBASE ÄOnlineÜ HASSAN ET AL.: 'Non-viable myocardium, documented by TL-201 SPECT, is a main determinant of the increase in the secretion of cardiac natriuretic peptides', XP002956158 Database accession no. 2001129199 & MEDICINE NUCLEAIRE vol. 24, no. 6, 2000, pages 301 - 310

Patents Citing This One No US, EP, or WO patent/search reports have cited this patent.

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